Annual Report

Nineteen Hundred Thirty One

New England Deaconess Hospital

Annual Report of the

NEW ENGLAND DEACONESS HOSPITAL

• 1931 •

DEACONESS GENERAL
16 DEACONESS ROAD

PALMER MEMORIAL
195 PILGRIM ROAD

SCHOOL OF NURSING
25 DEACONESS ROAD

BOSTON, MASSACHUSETTS

Compiled at the Executive Offices
180 PILGRIM ROAD
BOSTON

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PUBLICATIONS 30–43

BUSINESS ADMINISTRATION

OFFICERS OF THE CORPORATION

President

Howard D. Brewer	12 East Worcester Street, Worcester, Mass.

Vice-Presidents

Alfred H. Avery	105 Beltran Street, Malden, Mass.
Sam T. Emery	35 Marshall Street, Newton Centre, Mass.

Treasurer

W. J. Fowler	First National Bank, 67 Milk Street, Boston, Mass.

Clerk

Edward H. Redstone	46 Mt. Vernon Street, Cambridge, Mass.

MEMBERS OF THE CORPORATION

William F. Anderson, S. D. Atwood, Alfred H. Avery,
Edwin P. Bliss, Howard D. Brewer, Frank W. Buxton,
Francis W. Capper, Hon. Horace A. Carter, Mrs. Roscoe A. Carter,
Charles A. Chadwick, Charles A. Chase, Hermann F. Clarke,
William Coburn, John Cousens, Miss Ruth Crary, Warren H. Davis,
George E. Denton, George P. Dike, Robert G. Dodge,
Miss Mabel T. Eager, Carl S. Ell, Edward A. Elliott, Sam T. Emery,
Robert J. Estabrook, Wilmot R. Evans, Lewis A. Fales, Everett O. Fisk,
Mrs. W. M. Flanders, W. J. Fowler, C. N. Garland,
Mrs. Walter G. Garritt, William Gilmour, Mrs. Alexander G. Grant,
L. O. Hartman, Christian A. Herter, C. C. P. Hiller,
Granville E. Hoffses, Cymbrid Hughes, Henry F. Hurlburt, Jr.,
William D. Hutchins, J. L. Ivey, Daniel Fiske Jones, Ralph P. Jones,
Elliott P. Joslin, C. H. J. Kimball, George M. Kline, Frank H. Lahey,
Edgar C. Linn, B. G. Lipsky, H. E. Locke, Stanley O. MacMullen,
G. A. Martin, H. G. McCann, Sylvester F. McKeen, E. F. Miller,
R. N. Millett, Philip I. Milliken, Edward F. Miner, Erving P. Morse,
Mrs. George S. Mumford, Jr., Bernard Z. Nelson, Robert L. O'Brien,
A. I. Oliver, Cornelius A. Parker, Carleton H. Parsons,
Mrs. F. A. Patterson, Charles O. Pengra, R. M. Pierce, H. H. Plumer,
William P. Pritchard, William M. Rand, Edward H. Redstone,
W. Carlton Rich, William T. Rich, Ellsworth Rollins,
G. G. Scrivener, Joseph M. Shepler, Henry K. Sherrill,
Mrs. William L. Snow, J. L. Spaulding, Jr., George H. Spencer,
Francis R. Carnegie Steele, E. E. Story, L. W. Stringfellow,
Mrs. Edward A. Taft, Ralph E. Thompson, Mrs. William Levi Thompson,
Miss Clara Trowbridge, Brooke C. Ulman, Shields Warren,
Charles H. Watkins, Parker Webb, George M. Weed, E. E. Wells,
O. B. Wells, Mrs. A. H. Whitney, Mrs. A. M. Williams,
Ben Ames Williams, Clarence W. Williams, Orrin G. Wood.

In Memoriam

Mrs. H. C. Gallagher
March 5, 1932

Mr. Joseph O. Procter, Jr.
January 14, 1932

BOARD OF TRUSTEES

William F. Anderson
Alfred H. Avery
Howard D. Brewer
Francis W. Capper
Horace A. Carter
Mrs. Roscoe A. Carter
Miss Ruth Crary
Robert G. Dodge
Miss Mabel T. Eager
Edward A. Elliott
Sam T. Emery
Robert J. Estabrook
Wilmot R. Evans
W. J. Fowler
Mrs. Walter G. Garritt
William Gilmour
Mrs. Alexander G. Grant
Lewis O. Hartman
Daniel Fiske Jones
Ralph P. Jones
Elliott P. Joslin
George M. Kline
C. H. J. Kimball
Frank H. Lahey
H. E. Locke
Stanley O. MacMullen
Edward F. Miner
Erving P. Morse
Robert L. O'Brien
Charles O. Pengra
William M. Rand
Edward H. Redstone
William T. Rich
Mrs. William L. Snow
George H. Spencer
L. W. Stringfellow
Mrs. Edward A. Taft
Ralph E. Thompson
Miss Clara Trowbridge
Parker Webb
Mrs. A. H. Whitney
Clarence W. Williams

EXECUTIVE COMMITTEE

Alfred H. Avery, *Chairman*
*Howard D. Brewer
Miss Mabel T. Eager
*W. J. Fowler
Mrs. Alexander Grant
Ralph P. Jones
Elliott P. Joslin, M.D., *Medical Representative*
George M. Kline, M.D.
Stanley O. MacMullen
Charles O. Pengra
*Edward H. Redstone
George H. Spencer

* *Ex officio.*

FINANCE COMMITTEE

Alfred H. Avery
*Howard D. Brewer
Hon. Horace A. Carter
Wilmot R. Evans
*W. J. Fowler
Daniel Fiske Jones, M.D.
Elliott P. Joslin, M.D.
Frank H. Lahey, M.D.
William M. Rand

INVESTMENT COMMITTEE

*Howard D. Brewer
Sam T. Emery
Wilmot R. Evans
*W. J. Fowler
Stanley O. MacMullen

TRAINING SCHOOL COMMITTEE

Warren F. Cook
Miss Ruth Crary
Miss Sadie A. Hagen
Donald S. King, M.D.
Miss Mabel McVicker
Miss Clara Trowbridge
Shields Warren, M.D.

HOSPITAL EXECUTIVE STAFF

Superintendent of the Hospital	Warren F. Cook
Assistant Superintendent	Sadie A. Hagen
Superintendent, School of Nursing	Mabel McVicker, R.N.

Field Secretary	Rev. Edwin V. Hinchliffe
Chaplains	William R. Leslie, D.D., Josephine S. Fisk

HEADS OF DEPARTMENTS

Pathology	Shields Warren, M.D.
Assistant in charge of Chemical Laboratory	Hazel M. Hunt
Pharmacy	Howard A. Pringle
Dietary	Hilda A. French
Housekeeping	Carolyn M. Keatley
Buildings and Grounds	Frank Paddleford
Laundry	L. T. Cooke
Purchasing	Constantine D. Tutein
Business Office	Clara R. Parker

* *Ex officio.*

REPORT OF THE SUPERINTENDENT

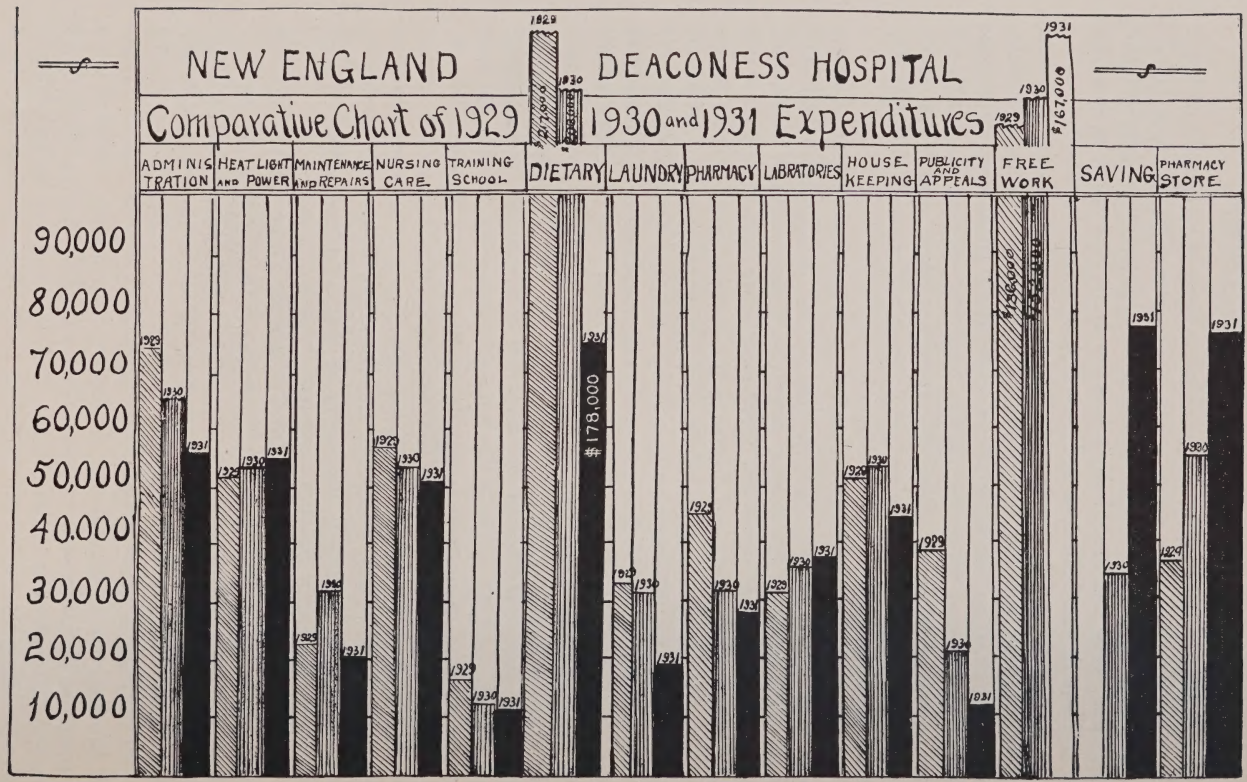
"I hardly need remind you that this has been an unusually difficult financial year for all business. Hospitals have suffered especially." With these words, the superintendent introduced his report for the year 1930. This has been doubly true for 1931. Revenues have fallen off and the demand for free and part free care has increased.

To add to all of this, we launched a campaign for a major sum last spring thinking we would probably come into better times in the fall. Instead of that, as you well know, conditions grew steadily worse. The campaign was expensive and the goal not reached. However, we have received close to $400,000 in subscriptions and have made friends through our publicity and appeals which will undoubtedly bear fruit in season.

The plan of our campaign precluded our usual mail appeals for our free work; consequently, this income fell off to approximately half of the 1930 income. Our deficit, however, is only slightly more than our interest charges, showing again that if we were once rid of our debt, we could operate and do our share of community service to the needy, without an annual deficit. This indebtedness is a millstone about our necks and must be moved before we can progress.

Our work is superior. I do not need to go into details with you about that. In several lines of medicine and surgery we are unsurpassed. Our equipment in some respects is of the finest. We have the best equipped cancer hospital in New England, and the finest radium plant, but one, in the world. We have one of the higher ranking training schools, and the spirit of the hospital throws around the patients an environment persuasive to speedy recovery; but this indebtedness, with its steady interest drain is a persistent handicap to the service we can render. Because of these interest charges we have not been able to pay our bills promptly, and therefore have been unable to take advantage of trade discounts, as well as those preferred first costs which prompt payment insures.

We have restricted and sacrificed wherever it has seemed possible throughout the year without lowering the standard of service. There has been splendid cooperation on the part of department heads and employees in general in this program of economy. The employees of the hospital have subscribed nearly $9,000 to the campaign, paying it out of their monthly wage. No department has over-run its budget for the year except the income producing departments which show a corresponding increase in income. The total expenditures for the year are $32,000 under the entire budget, and the total operating expenditures for the year are $78,000 less than 1930. These savings have been made largely through the coordination of the various departments of the hospital which heretofore were operated as separate units.



Comparative Expenditure Chart

We have given this year about 15% more hospital care for which the patients did not pay than last, and in all of this, we have, I believe, kept the standard of our service high, and the spirit of the institution in line with the principles and motives of those who founded the work.

A budget has been drawn for 1932 which is in balance, including the expected interest charges. This means further reductions and sacrifices, but the Executive Committee is determined that we shall not increase the indebtedness of the hospital during this year. If the census remains normal, and we can build up again our gifts for free work, I feel sure we can go through the year 1932 without a deficit. It will mean a reduction in wages of five to ten per cent and other departmental sacrifices, but it must be done if we are to go on.

I want to express my appreciation for the cooperation of all those with whom I am closely associated in the hospital staffs, as well as for the faithful interest of the members of the Executive Committee and Trustees. There are some other serious problems ahead of us incident to the peculiar developments of this hospital, its work and its staff, which this board must seriously consider in the near future. We should be looking ahead five, ten years and more, and asking what the development of this institution is to be or should be in the life of this community. Our first task is to free this institution from debt so that it may go on and fulfill the high mission which it has shown its fitness to undertake.

The following gifts have been added to the permanent funds for 1931:

Fannie H. Ames	$5,000
Completing The Ida Sinclair Holt Free Bed Fund of $25,000	
Mary DeShon Lowell Fund	25
Fund now has reached sum of $117.23	
New England Deaconess Hospital Alumni Association	7,500
Aimee Lamb Free Bed Fund	5,000

I append herewith the detailed statistical and financial reports for the year.

Warren F. Cook,
Superintendent.

STATISTICAL REPORT

Deaconess Unit

Patients in hospital January 1, 1931		141
Patients admitted during year		4,565
Total		4,706
Medical	2,632	
Surgical	1,933	
Male	1,490	
Female	3,075	
Private room	875	
Ward	3,690	
Patients discharged		4,583
Transferred	28	
Deaths		123
Autopsies		61
Average daily census		162
Average length of stay (days)		12.9
Total number of days service		58,963
Operations		2,847
Other special treatments		
X-Ray		3,202
New	1,672	
Old	1,530	
Consultations		1,483
Metabolisms		1,963
Electrocardiograms		675
Foot treatments		910
Alpine lamp treatments		2,822

Palmer Unit

Patients in hospital January 1, 1931		39
Patients admitted during year		1,189
Total		1,228
Male	437	
Female	752	
Patients discharged		1,107
Deaths		73
Average daily census		55
Average length of stay (days)		10.9
Total number of days service		20,113
Operations (including 287 radium cases)		1,308
Other special treatments		
X-Ray (including 754 deep therapy treatments)	2,037	
Alpine lamp	93	
Diagnoses		1,228
Carcinoma	638	
Sarcoma	9	
Leukemia	6	

Hodgkins	1	
Lympho Blatoma	3	
Pernicious Anemia	1	
Other conditions	570	

Out-Patient Department

Number of new patients	361	
Number of old patients	723	1,084
Total visits		1,504
Services rendered		
Examinations	905	
X-Ray (diagnostic)	253	
Deep therapy	413	
Radium	129	
Minor operations	32	
Laboratory	28	
Alpine lamp treatments	16	
Miscellaneous	3	1,779

SUMMARY OF ALL UNITS FOR THE YEAR

7,438 patients admitted and treated
79,076 days of service
4,155 operations
12,576 other treatments (X-Ray, radium, etc.)
Average daily census, 217
Average length of stay, 11.9 days
Total operating income, $582,494.19
Total operating expense, $575,304.09

RELIGIOUS AFFILIATIONS

Adventist	9	Methodist	861
Apostolic Christian	1	Moravian	3
Armenian Apostolic	1	Nazarene	7
Baptist	385	Pentecostal	1
Bible Student	1	Presbyterian	119
Christian	16	Quaker	15
Christian Reform	1	Salvation Army	6
Christian Science	23	Seventh Day Adventist	1
Christadelphian	1	Spiritualist	5
Christian Missionary Alliance	1	Swedenborgian	8
Congregationalist	677	Unitarian	192
Disciples of Christ	1	Universalist	98
Dutch Reform	4	United Brethren	3
Episcopalian	507	Other Protestants	836
Ethical Culture	2	Atheist	2
Evangelical Church	1	Roman Catholic	1,389
Federated Church of Canada	3	Greek Catholic	2
Latter Day Saints	3	Greek Orthodox	14
Lutheran	48	Jewish	525

No Preference 21

FINANCIAL REPORT

BALANCE SHEET

DECEMBER 31, 1931

ASSETS

Current assets:		
Cash		$ 66,529.20
Accounts receivable	$ 36,855.71	
Less provision for uncollectible accounts	12,368.37	24,487.34
Inventories of supplies		20,918.83
Total current assets		$ 111,935.37
General investments:		
Securities		267,145.73
George F. Baker Clinic Fund assets:		
Securities (market value $75,461.88)	$ 272,916.04	
Cash awaiting investment	1,072.09	273,988.13
Special equipment fund — Baker Clinic savings bank deposit		2,179.00
Real estate and equipment:		
Land and buildings	$1,797,915.75	
Equipment	172,170.70	
Radium	134,523.58	2,104,610.03
Prepaid insurance		6,061.09
		$2,765,919.35

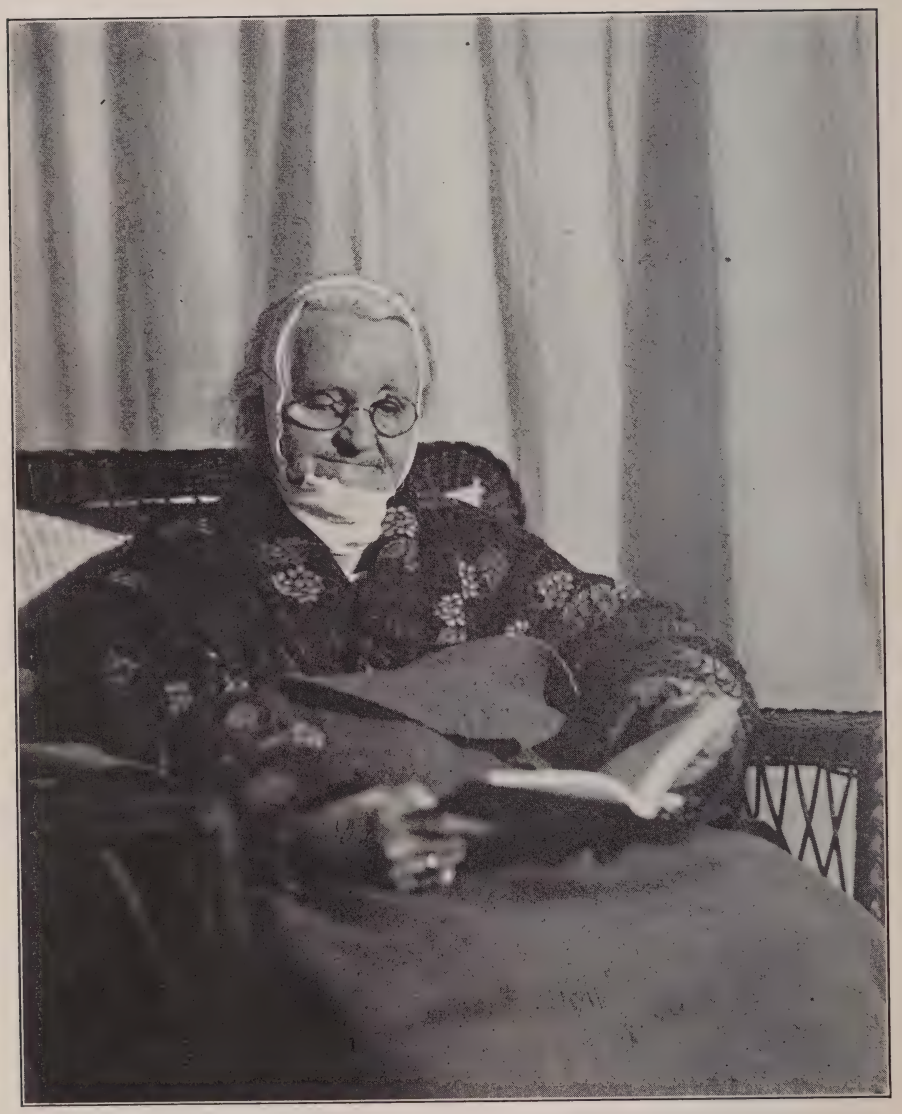
LIABILITIES AND FUNDS

Current liabilities:		
Accounts payable	$ 126,997.11	
Notes payable to banks and bankers (secured contra)	184,500.00	
Accrued interest payable	5,675.88	
Total current liabilities		$ 317,172.99
Due to the New England Deaconess Association		157.63
Mortgages payable		738,000.00
Restricted income unexpended		13,705.64
Campaign receipts to December 31, 1931	$ 99,744.28	
Less expenses paid	65,612.63	34,131.65
Endowment funds	$ 511,710.46	
George F. Baker Clinic Fund	273,988.13	
Special equipment fund — Baker Clinic	2,179.00	
Building and equipment funds	1,174,037.74	
Radium funds	122,962.94	2,084,878.27
Total liabilities and funds		$3,188,046.18
Deduct deficit		422,126.83
		$2,765,919.35

STATEMENT OF OPERATING INCOME AND OPERATING EXPENSE

Year Ended December 31, 1931

Operating income:		
Private wards	$161,713.00	
Public wards	240,916.24	
Operating room	33,447.30	
X-Ray	34,964.50	
Laboratories	35,350.20	
Board of special nurses	26,949.75	
Special therapy	10,047.00	
Radium	12,277.91	
Dentistry	1,923.00	
Training school	4,579.50	
Public dining room	2,011.92	
Out-patient department	5,457.90	
Profit on pharmacy store applicable to general income	12,479.06	
Miscellaneous income	376.91	
Total operating income		$582,494.19
Operating expense:		
Administration	$56,423.42	
Insurance	5,714.59	
Heat, light and water	56,546.92	
Maintenance and repairs	22,546.28	
Dietary	183,297.86	
Laboratories	36,106.64	
Training school	15,360.61	
Nursing care	58,084.03	
Pharmacy	11,215.81	
Laundry	19,596.90	
Housekeeping	46,612.46	
Record library	7,661.25	
Medical and surgical supplies	17,331.43	
X-Ray	29,495.74	
Special therapy	2,402.09	
Dentistry	1,712.21	
Social service	1,725.00	
Radium	1,884.32	
Out-patient department	1,536.53	
Transfusion fund	50.00	
Total operating expense		575,304.09
Operating profit		$7,190.10
Other income:		
Investment income less annuities paid	$18,379.48	
Net income from donations	26,935.80	
Collections on old accounts	813.26	
Trustees of Consumptives' Home	744.50	
Interest on deposits	553.19	47,426.23
		$54,616.33
Other expenses:		
Interest (including $3,691.35 accrued January 1, 1931 but not taken into the accounts at that date)	$62,270.85	
Full free treatment	48,559.87	
Provision for uncollectible accounts	10,744.00	
Legal fees	2,541.00	124,115.72
Deficit		$69,499.39



"Feeling Much Better, Thanks!"

MEDICAL ADMINISTRATION

A Happy Patient

MEDICAL ADMINISTRATION

ADMINISTRATIVE STAFF

Shields Warren, M.D., *Chairman*

Sylvester F. McKeen, M.D.	Deaconess General Unit
Daniel Fiske Jones, M.D.	Palmer Memorial Unit
Elliott P. Joslin, M.D.	George F. Baker Clinic for Chronic Disease
Frank H. Lahey, M.D.	Lahey Clinic

DEACONESS DIVISION

SURGEONS

R. B. Cattell, M.D.
Howard M. Clute, M.D.
Robert C. Cochrane, M.D.
Ernest M. Daland, M.D.
Gilbert Horrax, M.D.
Frank H. Lahey, M.D.
George A. Leland, Jr., M.D.
Halsey Beach Loder, M.D.
Charles C. Lund, M.D.
Leland S. McKittrick, M.D.
Irving J. Walker, M.D.

Daniel Fiske Jones, M.D., Honorary Consulting Surgeon

PHYSICIANS

William B. Breed, M.D.
F. Gorham Brigham, M.D.
Arthur A. Cushing, M.D.
Harry W. Goodall, M.D.
Albert A. Hornor, M.D.
Sara M. Jordan, M.D.
Elliott P. Joslin, M.D.
Donald S. King, M.D.
Walter A. Lane, M.D.
Roger I. Lee, M.D.
Sylvester F. McKeen, M.D.
George P. Reynolds, M.D.
Howard F. Root, M.D.
Dwight L. Sisco, M.D.
William B. Stevens, M.D.
James H. Townsend, M.D.
Priscilla White, M.D.

ANESTHETIST

Lincoln F. Sise, M.D.

CARDIOLOGIST

Burton E. Hamilton, M.D.

ORAL SURGEONS

Varaztad H. Kazanjian, D.M.D., M.D.
LeRoy M. S. Miner, D.M.D., M.D.

DERMATOLOGISTS

Arthur M. Greenwood, M.D.
C. Guy Lane, M.D.

GYNECOLOGISTS

Henry T. Hutchins, M.D.
Joe Vincent Meigs, M.D.
Frank A. Pemberton, M.D.
R. G. Wadsworth, M.D.

LARYNGOLOGISTS

Carl H. Ernlund, M.D.
Lyman Richards, M.D.
George L. Tobey, Jr., M.D.
Harold G. Tobey, M.D.

NEUROLOGISTS

James B. Ayer, M.D.
G. Colket Caner, M.D.
Oscar J. Raeder, M.D.

OBSTETRICIAN

R. S. Titus, M.D.

OPHTHALMOLOGISTS

Louisa Paine Tingley, M.D.
J. Herbert Waite, M.D.

ORTHOPEDISTS

Z. B. Adams, M.D.
Mark H. Rogers, M.D.
William A. Rogers, M.D.

PATHOLOGIST

Shields Warren, M.D.

PEDIATRICIAN

Warren R. Sisson, M.D.

ROENTGENOLOGISTS

L. B. Morrison, M.D.
Isabel K. Bogan, M.D.

UROLOGISTS

Fletcher H. Colby, M.D.
Harvard H. Crabtree, M.D.
George Gilbert Smith, M.D.

CHIROPODIST

J. F. Kelly, B.S.C.

PALMER MEMORIAL DIVISION

PERMANENT STAFF

Daniel Fiske Jones, M.D.	Surgeon in Chief
F. Gorham Brigham, M.D.	Physician in Chief
Shields Warren, M.D.	Pathologist

VISITING STAFF

Surgeons

Edwards W. Herman, M.D.	Laryngologist
George A. Leland, Jr., M.D.	
Leland S. McKittrick, M.D.	
George Gilbert Smith, M.D.	Urologist

Physicians

John W. Meachen, M.D.	Roentgenologist
L. B. Morrison, M.D.	Roentgenologist
Wyman Richardson, M.D.	
Elliott P. Joslin, M.D.	Honorary Consulting Physician

Assistant Surgeons

Fletcher H. Colby, M.D.	Urologist
Carl H. Ernlund, M.D.	Laryngologist
Joe V. Meigs, M.D.	Gynecologist
Leroy A. Schall, M.D.	Laryngologist

Assistant Physician

H. Archibald Nissen, M.D.

CONSULTANTS

Joseph C. Aub, M.D.	Medicine
Ernest M. Daland, M.D.	Surgery
Richard Dresser, M.D.	Radiology
Robert B. Greenough, M.D.	Surgery
Arthur M. Greenwood, M.D.	Dermatology
Burton E. Hamilton, M.D.	Cardiology
John S. Hodgson, M.D.	Neurological Surgery
Varaztad H. Kazanjian, D.M.D., M.D.	Oral Surgery
W. Jason Mixter, M.D.	Neurological Surgery
Richard H. Norton, Jr., D.M.D.	Oral Surgery
William A. Rogers, M.D.	Orthopedic Surgery
Channing C. Simmons, M.D.	Surgery
Henry R. Viets, M.D.	Neurology
J. Herbert Waite, M.D.	Ophthalmology

ASSOCIATE STAFF

Howard M. Clute, M.D.	Frank A. Pemberton, M.D.
Henry Jackson, Jr., M.D.	Howard F. Root, M.D.
Frank H. Lahey, M.D.	Irving J. Walker, M.D.

OUT PATIENT STAFF

Surgeons to Out Patients

Edwin F. Hayden, M.D.	Charles L. Swan, M.D.
Charles C. Lund, M.D.	Richard Sweet, M.D.

Grantley W. Taylor, M.D.

Physicians to Out Patients

Francis T. Hunter, M.D.	Millard Smith, M.D.

Assistant Surgeon to Out Patients

John W. Spellman, M.D.

REPORT OF THE MEDICAL STAFF

Several important new appointments to the Staff for the coming year have been made. Drs. Isabel K. Bogan, Fletcher H. Colby, George P. Reynolds and James H. Townsend have been appointed to the Staff of the Deaconess Unit, and Drs. Richard Dresser, John S. Hodgson, Henry Jackson, Jr., W. Jason Mixter, Frank A. Pemberton, Leroy A. Schall, John W. Spellman, Henry R. Viets, and Irving J. Walker have been added to the Staff of the Palmer Memorial Unit. Dr. G. W. W. Brewster retired from the Staff after many years of highly valued service. Pressure of work elsewhere forced the resignation of Drs. A. A. Allen, E. W. Herman, and R. B. Miller. Dr. Herman, however, remains on the Staff of the Palmer Memorial Unit.

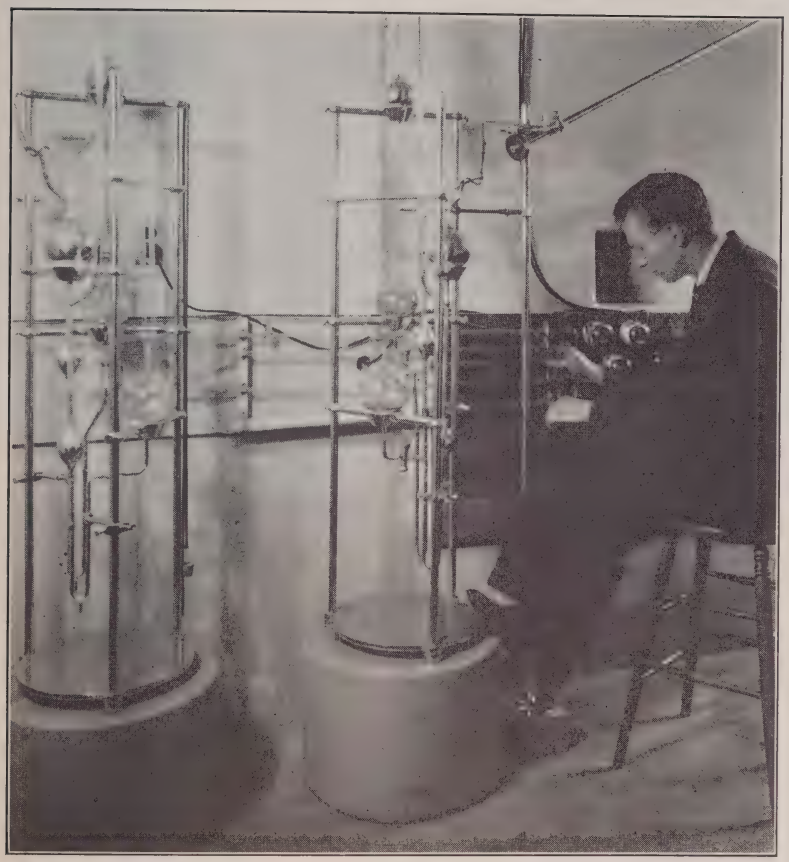
The cooperation of the members of the Staff as the Doctors' Committee for the Deaconess Hospital Fund has been a material aid in meeting the financial crisis.

The usual large amount of free work has been done. The care of these patients has been divided between the Staff of the Deaconess General Unit, the Joslin Clinic and the Lahey Clinic. Nine members of the Deaconess General Staff have taken varying periods of service in this work. The free patients at the Palmer Memorial Hospital are placed under the care of the heads of the various departments, being grouped according to the form of malignant disease present.

The growth of the library continues and important periodicals are on file from England, France and Germany, as well as from this country.

The radium plant of the Palmer Memorial Unit continues to function satisfactorily and was of particular benefit during the summer when the plant at the Huntington Hospital was out of commission for several weeks. Surplus radium emanation continues to be made available to the Huntington Hospital and the Massachusetts General Hospital.

Shields Warren, M.D.
Chairman.



A Corner of the Radium Emanation Plant

There is only one plant in the world, the one built for Mme. Curie in Paris, which surpasses this emanation plant at Palmer

REPORT OF THE PATHOLOGIST

During 1931 there has been a considerable gain in the number of laboratory examinations in spite of the somewhat lower hospital census. This is largely due to the presence in the hospital of many seriously ill patients who naturally require more laboratory work than is ordinarily demanded.

Chemical Laboratory

In addition to the work of this hospital certain more complicated chemical examinations are done for nearby hospitals. The increase of 11,273 examinations has necessitated adding one technician and one half-time secretary to the laboratory staff. On October fifth a volunteer worker was added to the staff.

The research activities have been focused on two points. Miss Helen Updegraff is continuing her work, supported by the Joslin Diabetic Unit, on analyses of eye lenses from cases of cataract in diabetic and non-diabetic patients. The investigation of the blood cholesterol values in various thyroid disorders has been continued. An additional technician has been provided by the Lahey Clinic for this problem.

The skill and the prudent economy of Miss Hazel M. Hunt has enabled this very considerable increase in work to be carried on with only slight additional expense.

Urinalyses:	
Complete	12,720
Incomplete	46,015
Bood Examinations:	
Chemical	15,665
Clinical	9,317
Gastric Analyses	1,080
Feces Examinations	8,453
Spinal Fluid Examinations	126
Miscellaneous Tests	1,169
Total	94,545

A Corner of the Chemical Laboratory

Laboratory of Pathology

There have been several changes in laboratory personnel during the year. Dr. John A. Ferguson, assistant pathologist, resigned September first and became pathologist at the Meriden Hospital. Dr. A. Hobson Davis, assistant professor of pathology on leave of absence from the University of Alabama, has been obtained as assistant pathologist.

Dr. Robert R. Nesbit was assigned to this laboratory July first, by the Harvard Cancer Commission as Littauer Fellow in pathology. Dr. Theodore B. Massell has been interne in pathology since July first. Dr. Manuel Sanchez of Bogota, Colombia has been studying the pathological aspects of cancer, during the first part of the year under a Fellowship from the Colombian Government, and more recently under a Fellowship from the Harvard School of Public Health. A volunteer assistant came on duty October fifth.

During the year there were 3,367 examinations of surgical specimens, 156 autopsies, 1,588 bacteriological examinations, and 841 electrocardiograms. The weekly milk and cream tests and the tests of the various operating room sterilizers have been carried on as usual.

The study of the electromyograms of the developing chick heart has been continued and valuable information obtained as to the

development and significance of the various waves recorded in the tracings.

The histological studies of malignant disease with attempts at grading of malignancy have been continued. A statistical study of the distribution of secondary deposits of cancerous growths in the body tissues is now being actively pursued.

A list of the publications of the laboratory for the year is appended.

Respectfully submitted,

SHIELDS WARREN, M.D.
Pathologist.

PUBLICATIONS

Warren, Shields. — The Grading of Carcinoma of the Cervix Uteri as Checked at Autopsy. Arch. Path., 1931, **12,** 783.

———. Chondrosarcoma with Intravascular Growth and Tumor Emboli to Lungs. Am. J. Path., 1931, **7,** 161.

———. The Significance of Invasion of Blood Vessels in Adenomas of the Thyroid Gland. Arch. Path., 1931, **11,** 255.

———, and Clute, Howard M. — Cancer of the Thyroid Gland. Am. J. Cancer, 1931, **15,** 2563.

———, and Mason, Robert L. — Embolism of the Abdominal Aorta. N. E. J. Med., 1931, **204,** 1129.

———, and Mason, Robert L. — Metastatic Carcinoma Simulating Hyperparathyroidism. Am. J. Path., 1931, **7,** 415.

———, and Nissen, Archibald. — The Preparation of a Vitamin-Containing Vegetable Extract. N. E. J. Med., 1931, **205,** 135.

———, and Viets, Henry R. — Vaccinial Encephalitis. — A Report of Three Cases, Two with Postmortem Examination. N. E. J. Med., 1931, **204,** 475.

Ferguson, John A. — An Unusual Case of Epidermoid Carcinoma of Uterus and Fallopian Tubes. N. E. J. Med., 1931, **204,** 1359.

Lewis, William. — Hyperthyroidism and Associated Pathology. Am. J. Med. Sci., 1931, **181,** 65.

Pollack, Herbert. — A Case of Purpura with Unusual Necropsy Findings. N. E. J. Med., 1931, **204,** 1098.

———. Electrocardiographic Studies on Chick Embryo Hearts. — A Technique for Recording Electrical Changes in Isolated Chick Embryo Hearts. J. Lab. and Clin. Med., 1931, **16,** 1194.

———, Dionne, Maurice and Schafter, Elwood. — Electrocardiographic Studies on Chick Embryo Hearts. — An Amplifying Device for Use with a String Galvanometer. J. Lab. and Clin. Med., 1931, **16,** 1198.

REPORT OF THE SCHOOL OF NURSING

The year ended with the following enrollment of graduate and student nurses:

Superintendent of Nurses and Principal of School of Nursing	1
Assistant Superintendent of Nurses	2
Instructors	2
Supervisors	4
Night Supervisors	2
Head Nurses	10
Student Nurses	106
Affiliates	3
Preliminary Students	41
Graduate General Duty Nurses	11
	182

On duty at Palmer Memorial:

Supervisor of Nurses and Attendants	1
Assistant Supervisor of Nurses and Attendants	1
Supervisors	2
Night Supervisor	1
Head Nurses	4
Supervisory Attendants	2
Attendants	15
Student Nurses (included above)	7
Graduate General Duty Nurses	3
	36

During the year sixty-three students have been admitted to the School; eleven have withdrawn and sixty have been graduated. Due to this large number completing the course and the uneven numerical distribution of classes, it has been necessary to employ graduate general duty nurses at intervals to supplement the student nurse group. Although the employment of graduate nurses for general duty is a financial liability, it actually makes for a better and definitely smoother nursing service for our patients. In a School of this kind we must meet the requirements for nursing education and at the same time adequately care for our patients. We therefore need this supplementary group of graduates to carry on the nursing care (1) during class hours, (2) to fill in the gaps left during student nurse vacation periods, (3) during illnesses of student nurses and (4) the periods when third-year students complete their course and the probationary students are still not available for hospital duty. We have been especially concerned in this year of enforced retrenchment because we have not always been permitted the number of supplementary nurses we needed to maintain our nursing care stand-

ards. However, we do feel that any limitation in personnel has been compensated for, in part at least, by the willingness and unselfishness of those nurses who have borne the burden of nursing care.

If there is an oversupply of nurses — and statistics appear to show this to be true — the question arises as to whether we should not limit the number of students accepted into our School. If our budget would permit the constant employment of a certain number of graduate nurses for general duty in the hospital — this plan would make not only a smoother service but furnish employment to a number of our graduates as well.

It has been interesting to note that although we no longer pay a monthly allowance to our students we have had no shortage in the number of applicants for the School. The improvement in personal appearance has also been apparent since we have provided the uniforms, instead of the students.

An additional graduate nurse has been added to the Staff in the X-Ray department at Palmer Memorial to allow a rotation of service there. The nurse in the X-Ray group when assigned to duty in that department will relieve temporarily in the School of Nursing Office.

The number of night supervisors on duty at Palmer Memorial has been decreased to one.

During the extended absence of Mrs. Burgess, that position was filled by Olive L. Nelson (1926), who was temporarily transferred from the School of Nursing Office at New England Deaconess. Annie S. Newman (1924) substituted in Miss Nelson's place.

In September, Catherine R. Scollan (1930) was granted a six months' leave of absence from the Operating Room Staff to take a postgraduate course in Operating Room Technique at the Mayo Clinic.

Graduation exercises were held at St. Mark's Church on May nineteenth. The graduation address was given by Bishop Edwin H. Hughes. The class numbered 51.

The total number of days lost through illness and absence of students due to illness was 1,185.

Five hundred eighty-five letters of inquiry have been received during the year.

I would like to mention particularly the fine spirit of loyalty existing in the School. It has been definitely manifest in the student body and I especially appreciate it in the graduate staff and alumnae.

Mabel McVicker, R.N.
Superintendent of Nurses.

FORM OF BEQUEST

I hereby devise and bequeath to the NEW ENGLAND DEACONESS HOSPITAL, an institution duly incorporated under the laws of the Commonwealth of Massachusetts, the

SUM OF $.....

(Here insert the amount of money bequeathed, or a description of personal or real property, or both, or if it be the residue of the estate, make that fact clear.)

FOR.....

(Here may be indicated the general work of the hospital, or any specific line of work which the hospital undertakes.)

Signed.....

Address.....

Make all checks payable to the NEW ENGLAND DEACONESS HOSPITAL, Boston, Massachusetts

REPORT OF THE FIELD SECRETARY

In the early part of the year 1931, the regular White Cross contacts were made by means of the Motion Picture program and verbal presentation in quite a few of the churches and also the usual visits to the Annual Conferences, but the greater part of the year's work has been done in the interest of the Deaconess Hospital Campaign.

Beginning in the month of May, the work was that of an advance agent all over the area making preparations for the special campaign dinners, luncheons, and rallies. Then later in company with Dr. George H. Spencer, many parishes in the various sections of the area were visited, and at these special occasions addresses were made largely in the interest of information, publicity, and the mechanics of the campaign.

During the last week of August, the Field Secretary again visited many districts and churches interviewing personally nearly three hundred pastors and some of the larger financial prospects in the different parishes. On this extended trip, the prominent pulpits of the section visited were occupied by the Secretary and, on each Sunday evening and occasionally during the week, the Motion Picture program was given in prominent churches. In the middle of December, upon his return home, the speedometer in his car revealed the fact that he had traveled over six thousand miles during the fall months. Forty-three pastors in Vermont, forty in New Hampshire, eighty-two in Maine, thirty in the New England Southern Conference, and seventy-two in the New England Conference territory were visited.

Some of these trips were made with the respective District Superintendents who greatly reinforced the efforts of the secretary and revealed a splendid spirit of cooperation on their part.

The response on the part of the Methodist Churches in general has been most encouraging and really surprising to me, especially after having been in such close touch with the economic conditions in most all of the visited sections. We can never again question the loyalty of the pastors and church members towards our hospital. If the financial results had come from our area even in normal times, they would have been most gratifying, but when we consider from what depths of depression and depleted personal and church treasuries the gifts have come, we are indeed heartened by the picture thus painted.

Respectfully submitted,

E. V. Hinchliffe.

PUBLICATIONS AND ADDRESSES

By Staff Members and Their Associates

1931

AUB, Joseph C.

Publications

Studies of Ca phosphorus metabolism.

VIII. The influence of the thyroid gland and the parathyroid hormone upon the total acid-base metabolism. Jour. Clin. Invest., 1931, **10,** p. 187.

IX. Calcium deposition in bone in healing scorbutus. Arch. Path., 1931, **11,** p. 380.

Xa. The use of calcium chloride to relieve peristaltic pain. Jour. Am Med. Assn., 1931, **96,** p 1216.

Xb. The effect of intravenous calcium chloride on peristalsis following intestinal obstruction in dogs. Am. Jour. Physiol. 1931, **97,** p. 142.

XII. The effect of the ingestion of acid-producing substances. Jour. Clin. Invest., 1931, **10,** p. 251.

The importance of calcium metabolism in internal medicine. Proceedings of the California Acad. Med., 1931, p. 73.

Addresses

Relation of calcium metabolism to internal medicine. Harvard Medical School Society, Boston, January, 1931.

Relation of diet to teeth. Harvard Dental Radio Talk, Boston, February, 1931.

Recent advances in internal secretions. Clinic, Lewiston, Me., April, 1931.

Normal diets. Ohio State Medical Society, Toledo, O., May, 1931.

Lead poisoning. Association of Governmental Officials, Boston, May, 1931.

Calcium metabolism. Forsyth Dental Clinic, Boston, June, 1931.

The significance of bone trabeculae in the treatment of lead poisoning. American Public Health Association, Montreal, Que., September, 1931.

The present-day knowledge of Ca metabolism and the practical uses of Ca therapy. Bristol County Medical Society, Fall River, Mass., November, 1931.

Calcium metabolism. Harriett Newell Lowell Society, Boston, December, 1931.

AYER, James B.

Publications

———, M. E. Dailey, and F. Fremont-Smith.

Denis-Ayer Method for the quantitative estimation of protein in the cerebrospinal fluid. Arch. Neurol. & Psych., 1931, **26,** p. 1038.

Addresses

Undergraduate teaching of neurology at the Harvard Medical School. Presidential address. American Neurological Association, Boston, May, 1931.

BREED, William B.

Addresses

Certain aspects of rheumatic fever. Attleboro Doctors' Club, Attleboro, Mass., October, 1931.

CATTELL, Richard B.

Publications

End results in the operative treatment of inguinal hernia. New Eng. Jour. Med., 1931, **205,** p. 430.

Aberrant thyroid. Jour. Am. Med. Assn., 1931, **97,** p. 1761.

End results of surgery of the biliary tract. Cyclopedia of Practical Medicine, May, 1931.
Treatment of varicose ulcer. Surg. Clin. N. Am., 1931, **11,** p. 291.
Prevention of parathyroid tetany. *Ibid.*, p. 423.
———, and P. D. Woodbridge.
Leiomyosarcoma of the jejuna. *Ibid.*, p. 363.
———, and H. M. Clute.
Thyroglossal duct disease. Cyclopedia of Pract. Med., February, 1931.

Addresses

Biliary tract disease. Aroostook County Medical Society, Houlton, Me., May, 1931.
Aberrant thyroid. American Medical Association, Philadelphia, Pa., June, 1931.
Diagnosis and treatment of carcinoma of the colon and rectum. New Brunswick Medical Society, Campbellton, N. B., July, 1931.
Carcinoma of the colon and rectum. Berkshire County Medical Society, Pittsfield, Mass., October, 1931.
Surgical treatment of goitre. Tully Medical Society, Athol, Mass., December, 1931.

CLUTE, Howard M.

Publications

Technique of secondary operations for hyperthyroidism. Surg. Gynec. and Obstet., 1931, **53,** p. 105.
Graded surgery in common duct stones. New Eng. Jour. Med., 1931, **205,** p. 563.
Clinical aspects of thyroid malignancy. *Ibid.*, p. 1083.
Idiopathic thrombosis of the axillary vein. Surg. Clin. N. Am., 1931, **11,** p. 253.
Common duct stones without jaundice. *Ibid.*, p. 261.
Unexpected postoperative fatalities of hyperthyroidism. *Ibid.*, p. 417.
Hemorrhage into a thyroid adenoma. *Ibid.*, p. 445.
Acute thyroiditis. *Ibid.*, p. 451.
———, and R. B. Cattell.
Thyroglossal duct disease. Cyclopedia of Pract. Med., February, 1931.
———, and S. Warren.
Cancer of the thyroid gland. Am. Jour. Cancer, 1931, **15,** p. 2562.

Addresses

Surgical treatment of common duct obstruction. Springfield Academy of Medicine, Springfield, Mass., January, 1931.
Classification of diseases of the thyroid. William Harvey Society of Tufts Medical School, Boston, February, 1931.
Diagnosis of thyroid disease. South End Medical Club, Boston, February, 1931.
Diagnosis and management of thyroid disease. Middlesex Medical Club, Cambridge, March, 1931.
Diagnosis and management of hyperthyroidism complicated by heart disease. Yonkers Academy of Medicine, Yonkers, N. Y., March, 1931.
Cancer of the thyroid gland. New York Pathological Society, New York, N. Y., March, 1931.
Management of hepatic and common duct obstruction. Bellevue Hospital Alumni Society, New York, N. Y., April, 1931.
Thyroiditis. American Association for the Study of Goitre, Kansas City, Mo., April, 1931.
Operative procedures in common and hepatic duct obstruction. New England Surgical Society, Scarboro, Me., September, 1931.
Surgical management of the jaundiced patient. Eastern Maine General Hospital, Bangor, Me., November, 1931; and Kennebec County Medical Society, Augusta, Me., December, 1931.

Cancer of the colon and rectum. King's County Medical Society, Brooklyn, N. Y., December, 1931.

COCHRANE, Robert C.

Publications

Dermoid cysts and teratomata of the mediastinum. New Eng. Jour. Med., 1931, **205,** p. 1077.

Addresses

Dermoid cysts and teratomata of the mediastinum. New England Surgical Society, Scarboro, Me., September, 1931.

COLBY, Fletcher H.

Publications

Patent urachus. New Eng. Jour. Med., 1931, **204,** p. 900.
Progress in urology. *Ibid.*, p. 1152.
Hydronephrosis from aberrant vessel. Report of end result. *Ibid.*, **205,** p. 1042.
Carcinoma of the penis. Jour. Urol., 1931, **25,** p. 461.

DALAND, Ernest M.

Publications

The Pondville Hospital. Surg. Gynec. and Obstet., 1931, **52,** p. 527.
An analysis of cases at the Pondville Hospital during its first two years. Am Jour. Cancer, 1931, **15,** p. 2359.
Cancer of the breast. *Ibid.*, p. 2361.
Benign tumors. *Ibid.*, p. 2428.
Plastic reconstruction of the lower lip. New Eng. Jour. Med., 1931, **205,** p. 1131.

Addresses

Plastic reconstruction of the lower lip. New England Surgical Society, Portland, Me., September, 1931.
Plastics of the face. Wakefield Medical Club, Wakefield, Mass., October, 1931.
Cancer Clinics. Memorial Hospital, Albany, N. Y., November, 1931.
Fractures. Southern Berkshire Health District, Great Barrington, Mass., December, 1931.

FERGUSON, John A.

Publications

An unusual case of epidermoid carcinoma of the uterus and Fallopian tubes. New Eng. Jour. Med., 1931, **204,** p. 1359.

GREENOUGH, Robert B.

Publications

The organization of special cancer services in general hospitals and cancer clinics. Am. Jour. Cancer, 1931, **15,** p. 871.

GREENWOOD, Arthur M.

Addresses

Fungus infections of the skin. Boston Bacteriological Club, Cambridge, November, 1931.

HAGGART, G. E.

Publications

The significance of contracted calf muscles in the mechanics of foot strain. Surg. Clin. N. Am. 1931, **11,** p. 371.

The prevention of painful feet, with comments on treatment. *Ibid.*, p. 383.

Addresses

Comments on the diagnosis and treatment of acute hematogenous osteomyelitis; painful feet; low backache; and pain. Belknap County Medical Society, Laconia, N. H., January, 1931.

Osteomyelitis. Bristol North District Medical Society, Taunton, Mass., April, 1931.

Practical problems in bone and joint surgery. 1. Painful foot. 2. Painful shoulder. 3. Miscellaneous topics. Addison Gilbert Hospital, Gloucester, Mass., December, 1931.

The diagnosis and treatment of low back pains. Tri-City Medical Society, Willimantic, Conn., December, 1931.

HAMILTON, Burton E.

Publications

———, and D. Hurwitz.

Prolonged paroxysmal tachycardia. Case report. Am. Heart Jour., 1931, **7,** p. 274.

Addresses

Treatment of oedema other than by drugs. New England Heart Association, Boston, June, 1931.

The heart: its functions and disorders. Boston School of Occupational Therapy, Boston, June, 1931.

Valvular disease. Middlesex Medical Club, East Cambridge, November, 1931.

Heart disease in pregnancy. New England Heart Association. Scientific Meeting, Boston, December, 1931.

HAYDEN, Edwin P.

Addresses

Carcinoma of the rectum. Medical Society, Manchester, N. H., February, 1931.

Diseases of the small and large intestine and rectum and their treatment. Plymouth District Medical Society, Plymouth, Mass., November, 1931.

HICKS, James B.

Publications

Complicated ureteral calculi. Surg. Clin. N. Am., 1931, **11,** p. 271.

Cystinuria complicated by cystine calculi, with a case report. New Eng. Jour. Med., 1931, **205,** p. 1001.

Addresses

Uroselectan. Moncton Medical Society, Moncton, N. B., June, 1931.

HOOVER, Walter B.

Publications

Obstruction of the salivary duct. Surg. Clin. N. Am., 1931, **11,** p. 303.

Bilateral abductor paralysis: report of a case and its treatment. *Ibid.*, p. 543.

Addresses

Bilateral abductor paralysis: operative treatment by sub-mucous resection of the vocal cords. American Laryngological Society, Atlantic City, N. J., June, 1931.

HORNOR, Albert A.

Publications

Overweight — causes and prevention. New Eng. Jour. Med., 1931, **205,** p. 1264.

Addresses

Overweight — causes and prevention. Radio Talk, Boston, December, 1931.

HORRAX, Gilbert.

Publications

Brain surgery. Review of progress in 1931. Nelson's Loose Leaf Living Surgery, 1931, **3,** p. 435.

Addresses

Head injuries and some of their complications. Associated Physicians of Montclair, N. J., and vicinity, Montclair, N. J., November, 1931.

HUNTER, Francis T.

Publications

———, and others.

The urological aspects of radio-sensitive tumors of the blood-forming organs. Trans. Am. Assn. Genito-Urin. Surg., 1931, **24,** p. 413.

Addresses

The urological aspects of radio-sensitive tumors of the blood-forming organs. Buck Hill Falls, Penn., June, 1931. (Read by Dr. J. D. Barney.)

HURXTHAL, Lewis M.

Publications

The blood pressure before and after operation in hyperthyroidism. Arch. Int. Med., 1931, **47,** p. 167.

Indications for the use of digitalis in surgical patients. Surg. Clin. N. Am., 1931, **11,** p. 357.

Exophthalmic goitre following the use of thyroid extract or diet for reduction of weight. *Ibid.*, p. 441.

The clinical significance of abnormalities of the electrocardiographic complexes. New Eng. Jour. Med., 1931, **205,** p 95.

———, and O. J. Menard.

Results of the use of stramonium dature in Parkinson's disease and post-encephalitic Parkinsonism. *Ibid.*, p. 759.

Painless coronary thrombosis as a postoperative complication. Surg. Clin. N. Am., 1931, **11,** p. 395.

Addresses

Sudden deaths from heart disease. Haverhill Medical Society, Haverhill, Mass., January, 1931.

The clinical significance of abnormalities of the electrocardiographic complexes. American Heart Association, Boston, April, 1931.

Anemia. Milton Hospital Staff, Milton, Mass., April, 1931.

Goitre. Moncton General Hospital Staff, Moncton, N. B., June, 1931.

The diagnosis and management of the heart in thyroid disease. Paris Hospital Staff, Paris, Ill., November, 1931.

The heart in hyperthyroidism. Westchester County Medical Society, White Plains, N. Y., November, 1931.

Clinical types of coronary thrombosis. St. Luke's Hospital Staff, New Bedford, Mass., November, 1931.

Diagnosis and management of heart disease. Kennebec County Medical Association of Augusta, Augusta, Me., December, 1931.

JONES, Daniel F.

Publications

Diagnosis and principles of treatment of carcinoma of the colon and rectum. Ann. Surg., 1931, **94,** p. 860.

Addresses

Diagnosis and fundamental principles of treatment of cancer of the colon. American Surgical Association, San Francisco, Cal., June, 1931; and, Connecticut State Medical Society, New Haven, Conn., September, 1931.

Treatment of gall bladder disease. New Bedford Medical Society, New Bedford, Mass., December, 1931.

JORDAN, Sara M.

Publications

Observations on the treatment of gastro-jejunal ulcer. Surg. Clin. N. Am., 1931, **11,** p. 287.

Interesting case of intestinal obstruction. *Ibid.*, p. 337.

Classification of diseases called colitis. *Ibid.*, p. 403.

Addresses

Factors influencing prognosis in the medical treatment of duodenal ulcer. American Gastro-Enterological Association, Atlantic City, N. J., May, 1931.

Treatment of peptic ulcer. Suffolk District Medical Society, Boston, April, 1931.

———, and F. H. Lahey.

The present status of peptic ulcer. Lynn Medical Fraternity, Lynn, Mass., October, 1931.

JOSLIN, Elliott P.

Publications

An appraisal of the present treatment of diabetes. Jour. Am. Med. Assn., 1931, **97,** p. 595.

Diabetes: its control by the individual and the state. Harvard Health Talks, No. 18. Cambridge, Harvard University Press, 1931.

———, and others.

Diabetes mellitus. Review of the literature. Nelson's Loose Leaf Medicine, Service Volume, 1931, p. 870.

Addresses

Diabetes: its control by the individual and the state. Harvard Medical School, Boston, February, 1931.

A cross section of modern diabetes. Philadelphia County Medical Society, Philadelphia, Pa., February, 1931.

Prevention of diabetes. Bellevue Hospital, New York, N. Y., March, 1931.

Treatment of diabetes. George Washington Medical Society, Washington, D. C., March, 1931.

The rôle of the practitioner in preventing diabetes and diabetic mortality. Medical Society of the County of New York, New York, N. Y., March, 1931.

The treatment of diabetes. Medical Society of the County of Kings, Brooklyn, N. Y., April, 1931.

Clinic on diabetes. Harvard Medical School Alumni Association, Boston, April, 1931.

The treatment of diabetes. Tri-City Medical Society, New London, Conn., May, 1931.
Progress in the treatment of diabetes. Newton Medical Club, Newton, Mass., May, 1931.
Carbohydrate metabolism in the body. Beth Israel Hospital, Boston, May, 1931.
An appraisal of the present treatment of diabetes. American Medical Association, Philadelphia, Pa., June, 1931.
Complications and sequelae of diabetes; also a clinic on diabetes. Interstate Post-Graduate Medical Association, Milwaukee, Wis., October, 1931.
What the public should know of diabetes. Radio Talk, Boston, October, 1931.

KAZANJIAN, Varaztad H.

Addresses

Plastic surgery of the face. Manchester Medical Association, Manchester, N. H., January, 1931.
Treatment of deformities of the face and jaws. Attleboro Physicians' and Dentists' Club, Attleboro, Mass., February, 1931.
Treatment of surgical complications of the mouth and jaws. South Shore Dental Society, Quincy, Mass., March, 1931.
Correction of deformities in congenital harelip and cleft palate. Cases. New England Deaconess Hospital Staff Meeting, Boston, March, 1931.
Surgical treatment of mandibular prognathism. Second International Orthodontic Congress, London, Eng., July, 1931.
Surgical and prosthetic treatment of deformities of the mandible. Eighth International Congress of Dentists, Paris, France, August, 1931.
Diagnosis and treatment of cysts and tumors of the mouth. Massachusetts Dental Society, Valley District, Springfield, Mass., October, 1931.
Artificial restorations and abnormalities of the mouth. Dental Hygienists' Society, Boston, November, 1931.
Modern accomplishments in dental and facial prosthesis. American Stomatological Association, New York, N. Y., November, 1931.

KELLY, J. F.

Publications

Chiropody: its place in the life of the diabetic. Jour. Nat. Assn. Chiropodists, 1931, **22,** p. 4.

Addresses

The diabetic and his chiropodial treatment. Massachusetts Chiropody Association, Boston, February, 1931.
Chiropody and its place in the life of the diabetic. National Association of Chiropodists, Los Angeles, Cal., August, 1931.
The value of chiropody to the diabetic. Pedic Association of the State of Washington, Seattle, Wash., August, 1931.

KING, Donald S.

Addresses

Allergy. Somerville Medical Club, Somerville, Mass., February, 1931.
Hay Fever. Cambridge Medical Society, Cambridge, March, 1931.
Postoperative pneumonia and collapse. A clinical and X-ray study of the cases occurring at the Massachusetts General Hospital during the three years, 1928–1930. Massachusetts General Hospital Staff Meeting, Boston, April, 1931.
Contributions from the Pulmonary Clinic. *Ibid.*, November, 1931.
Prevention of postoperative pulmonary complications. *Ibid.*, December, 1931.

LAHEY, Frank H.

Publications

Management of biliary tract disease. Am. Jour. Surg., 1931, **11,** p. 1.
Mortality factors in thyroid disease. New York State Jour. Med., 1931, **31,** p. 405.
Diverticula of the oesophagus. *Ibid.*, p. 457.
Anaesthesia and the anaesthetist. Surg. Clin. N. Am., 1931, **11,** p. 227.
Carcinoma of the colon *Ibid.*, p. 233.
Surgery in ulcerative colitis. *Ibid.*, p. 245.
The removal of the isthmus in partial thyroidectomy for hyperthyroidism. *Ibid.*, p. 407.
The effect of thyroid pressure upon the trachea. *Ibid.*, p. 459.
Non-activated (apathetic) type of hyperthyroidism. New Eng. Jour. Med., 1931, **204,** p. 747.
A method of two-stage abdomino sacral removal of cancer of the rectum. *Ibid.*, p. 1279.
The management of peptic ulcer. *Ibid.*, **205,** p. 321.
Surgical management of intrathoracic goitre. Surg. Gynec. and Obstet., 1931, **53,** p. 346.
Apathetic thyroidism. Ann. Surg., 1931, **93,** p. 1026.

Addresses

Clinical types of thyroid disease and their treatment. Williamsburgh Medical Society, Brooklyn, N. Y., January, 1931.
Oesophageal diverticula. New York Academy of Medicine, Section of Laryngology and Rhinology, New York, N. Y., February, 1931.
Thyrocardiac problems. Rochester Academy of Medicine, Rochester, N. Y., March, 1931.
Diagnosis and management of thyroid pathology. Southeastern Surgical Congress, Atlanta, Ga., March, 1931.
Carcinoma of the colon and rectum. Tennessee State Medical Society, Knoxville, Tenn., April, 1931.
Management of thyroid disease. Physicians of Chattanooga, Chattanooga, Tenn., April, 1931.
Management of peptic ulcer. Suffolk District Medical Society, Boston, April, 1931.
Gastric and duodenal ulcer. Students of the Albany College of Medicine, Albany, N. Y., May, 1931.
Cancer of the colon. Glens Falls Medical Society, Glens Falls, N. Y., May, 1931.
The diagnosis of abdominal conditions. Charlotte Hungerford Hospital, Torrington, Conn., July, 1931.
Resection of the right colon and anastomosis of the ileum to the transverse colon by the Mikulicz Plan. New England Surgical Society, Prout's Neck, Me., September, 1931.
Carcinoma of the colon and rectum. Post-graduate Teaching Clinic under the supervision of the Harvard Medical Graduate School of Medicine, Lewiston, Me., September, 1931.
The management of gastric and duodenal ulcer. Kansas City Southwest Clinical Society, Kansas City, Mo., October, 1931.
The diagnosis and management of carcinoma of the colon and rectum. Vermont State Medical Society, Rutland, Vt., October, 1931.
Thyroiditis. Inter-state Post-Graduate Medical Association of North America, Milwaukee, Wis., October, 1931.
The association of cardiac lesions with hyperthyroidism. New York Academy of Medicine, New York, N. Y., October, 1931.

Carcinoma of the colon and rectum. Lynn Medical Fraternity, Lynn, Mass., October, 1931.

The present status of thyroid diseases. Greater Boston Medical Society, Boston, November, 1931.

The present status in the management of thyroid disease. Springfield Academy of Medicine, Springfield, Mass., November, 1931.

Carcinoma of the colon and rectum; its diagnosis and surgical treatment. Pentucket Medical Society, Haverhill, Mass., November, 1931.

Hyperthyroidism. Westchester County Medical Society, White Plains, N. J., November, 1931.

The management of gall stones with biliary tract infection. New York and New England Association of Railway Surgeons, New York, N. Y., December, 1931.

Carcinoma of the colon and rectum; its diagnosis and surgical treatment. Highland Park and North Detroit Physicians' Club, Detroit, Mich., December, 1931.

How much thyroid tissue should be removed in toxic goitre? Southern Surgical Association, White Sulphur Springs, W. Va., December, 1931.

The present status of the management of thyroid disease. Nashville Academy of Medicine, Nashville, Tenn., December, 1931.

Hyperthyroidism; its variations; its association with other diseases, and its management. New Utrecht Medical Society, Brooklyn, N. Y., December, 1931.

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